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RP

Transportation Analysis

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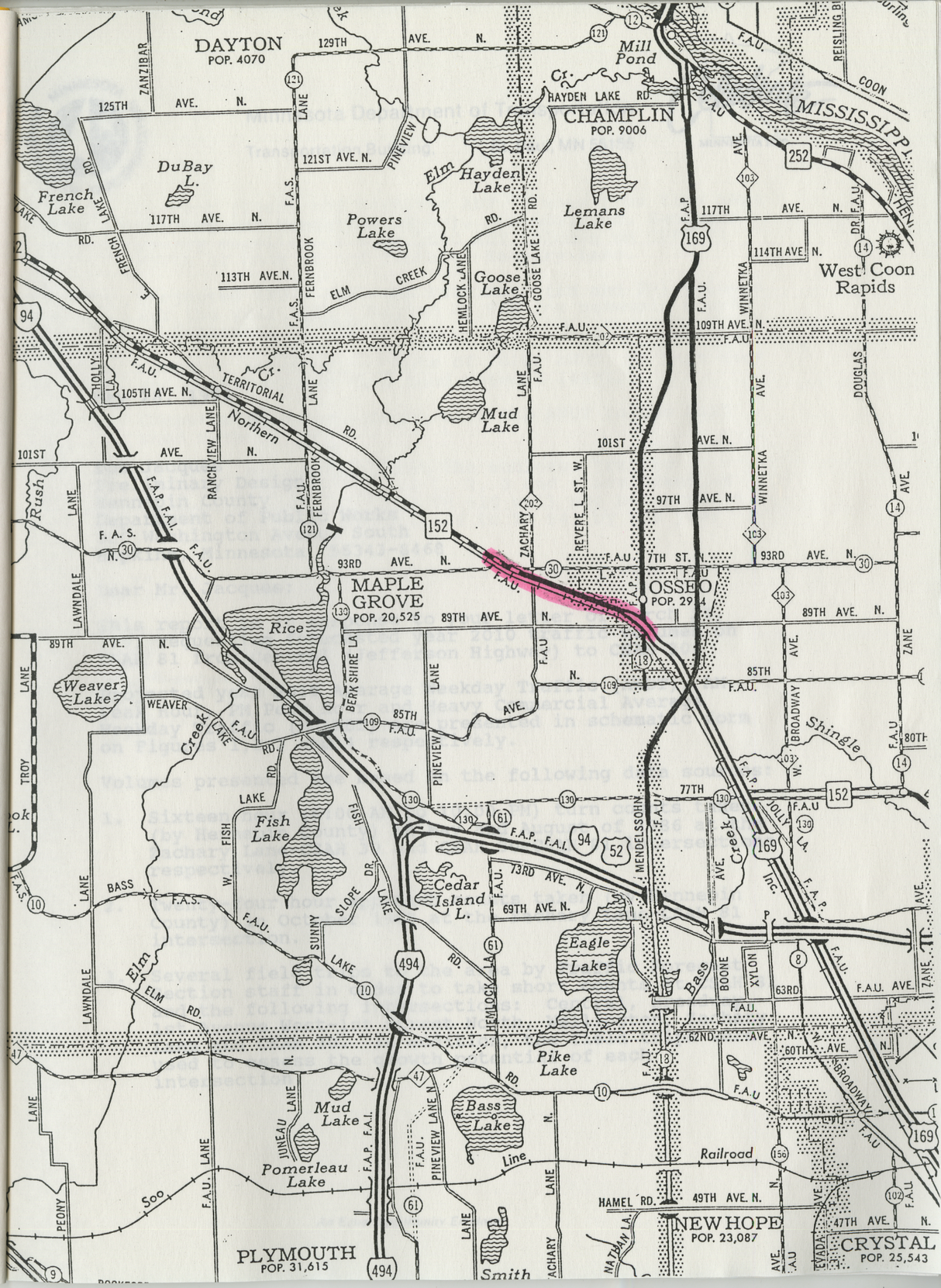
CSAH 81 from Central to CSAH 30

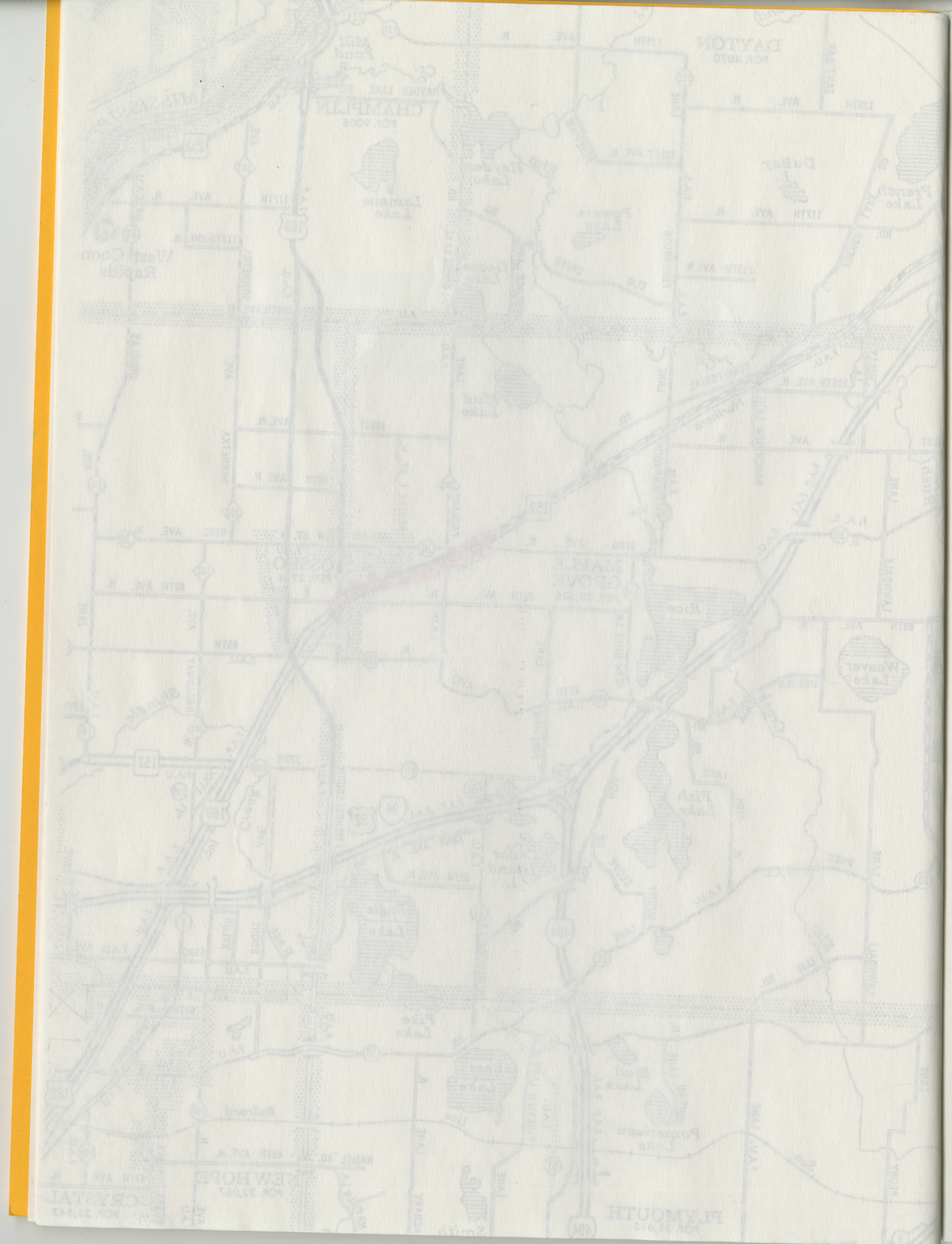
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PREPARED BY
THE MINNESOTA DEPARTMENT OF TRANSPORTATION
PROGRAM MANAGEMENT DIVISION
TRAFFIC FORECASTS SECTION


DAYTON
POP. 4070
CHAMPLIN
POP. 9006
MAPLE GROVE
POP. 20,525
OSSEO
POP. 29
PLYMOUTH
POP. 31,615
NEW HOPE
POP. 23,087
CRYSTAL
POP. 25,543
West Coon Rapids
Mill Pond
DuBay L.
French Lake
Powers Lake
Hayden Lake
Lemans Lake
Goose Lake
Mud Lake
Rice
Weaver Lake
Fish Lake
Cedar Island L.
Eagle Lake
Pike Lake
Bass Lake
Pomerleau Lake
Smith
Elm Creek
Bass Creek
Shingle Creek
Railroad
Line
MISSISSIPPI
ZANZIBAR
125TH AVE. N.
129TH AVE. N.
121ST AVE. N.
117TH AVE. N.
113TH AVE.N.
105TH AVE. N.
101ST AVE. N.
97TH AVE. N.
93RD AVE. N.
89TH AVE. N.
85TH AVE.
77TH
73RD AVE. N.
69TH AVE. N.
63RD
62ND AVE
60TH AVE. N.
49TH AVE. N.
47TH AVE. N.
109TH AVE. N.
114TH AVE. N.
HAYDEN LAKE RD.
FRENCH LAKE RD.
FERNBROOK LANE
PINEVIEW LANE
HEMLOCK LANE
GOOSE LAKE RD.
ELM CREEK RD.
TERRITORIAL RD.
Northern Rd.
RANCHVIEW LANE
HOLLY LA.
RUSH LANE
LAWNDALE LANE
TROY LANE
BASS LAKE RD.
SUNNY SLOPE DR.
FISH LAKE RD.
WEAVER LAKE RD.
BERKSHIRE LANE
JUNEAU LANE
PEONY LANE
ZACHARY LANE
NATHAN LA.
HAMEL RD.
REVERE L ST. W.
7TH ST. N.
WINNETKA AVE.
DOUGLAS AVE.
BROADWAY AVE.
MENDELSSOHN
BOONE
XYLON
ZANE
NEVADA AVE.
JOLLY LA.
REISLING BLVD.
COON CREEK DR.
F.A.U.
F.A.P.
F.A.I.
F.A.S.
Soo Line Railroad



Minnesota Department of Transportation
Transportation Building, St. Paul, MN 55155

Celebrate MINNESOTA 1990

May 28, 1991

Don Jacques
Preliminary Design
Hennepin County
Department of Public Works
320 Washington Avenue South
Hopkins, Minnesota 55343-8468

Dear Mr. Jacques:

This report is in response to your letter of March 25, 1991 requesting forecasted year 2010 traffic volumes on CSAH 81 from Central (Jefferson Highway) to CSAH 30.

Projected year 2010 Average Weekday Traffic (AWDT), AM Peak Hour, PM Peak Hour and Heavy Commercial Average Weekday Traffic (HCAWDT) are presented in schematic form on Figures 1,2,3 and 4 respectively.

Volumes presented are based on the following data sources:

1. Sixteen hour (6:00 AM to 10:00 PM) turn counts taken (by Hennepin County) in May and August of 1986 at the Zachary Lane-CSAH 30 and CSAH 30-CSAH 81 intersections respectively.

2. Twenty-four hour approach counts taken (by Hennepin County) in October 1988 at the Zachary Lane-CSAH 81 intersection.

3. Several field trips to the area by Traffic Forecast Section staff in order to take short counts at CSAH 81 and the following intersections: Central, Broadway, 1st Avenue West-1st Street North, Wellington, Zachary Lane and CSAH 30. In addition, the field trips were used to assess the growth potential of each intersection.

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4. Current (1988) and Historic ADT volumes from flow maps (Mn/DOT and Hennepin County). In addition, Hennepin County supplied us with 1990 ADT volumes on CSAH 81 North of CSAH 30 and South of Zachary Lane.

5. Projected AWDT, ADT, and Peak Hour (AM and PM) volumes for the year 2010 prepared by BRW for Hennepin County in September of 1988.

6. Computer model assignments of 2010F AWDT, PM Peak Hour and HCAWDT to the 2010 road network (4A3).

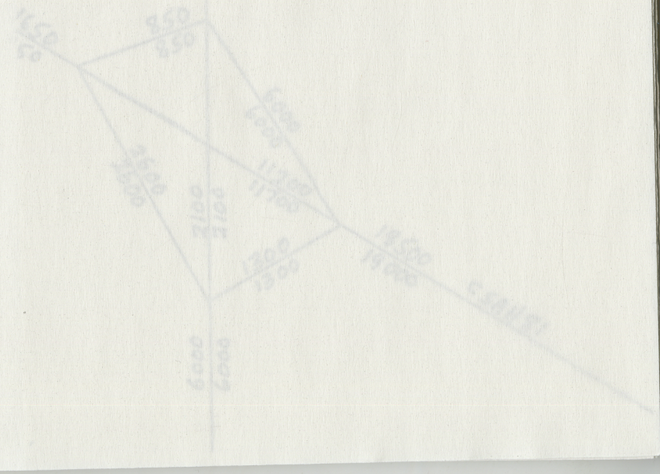
7. Computer model assignment of 1988B AWDT to the 2010 road network (4A3).

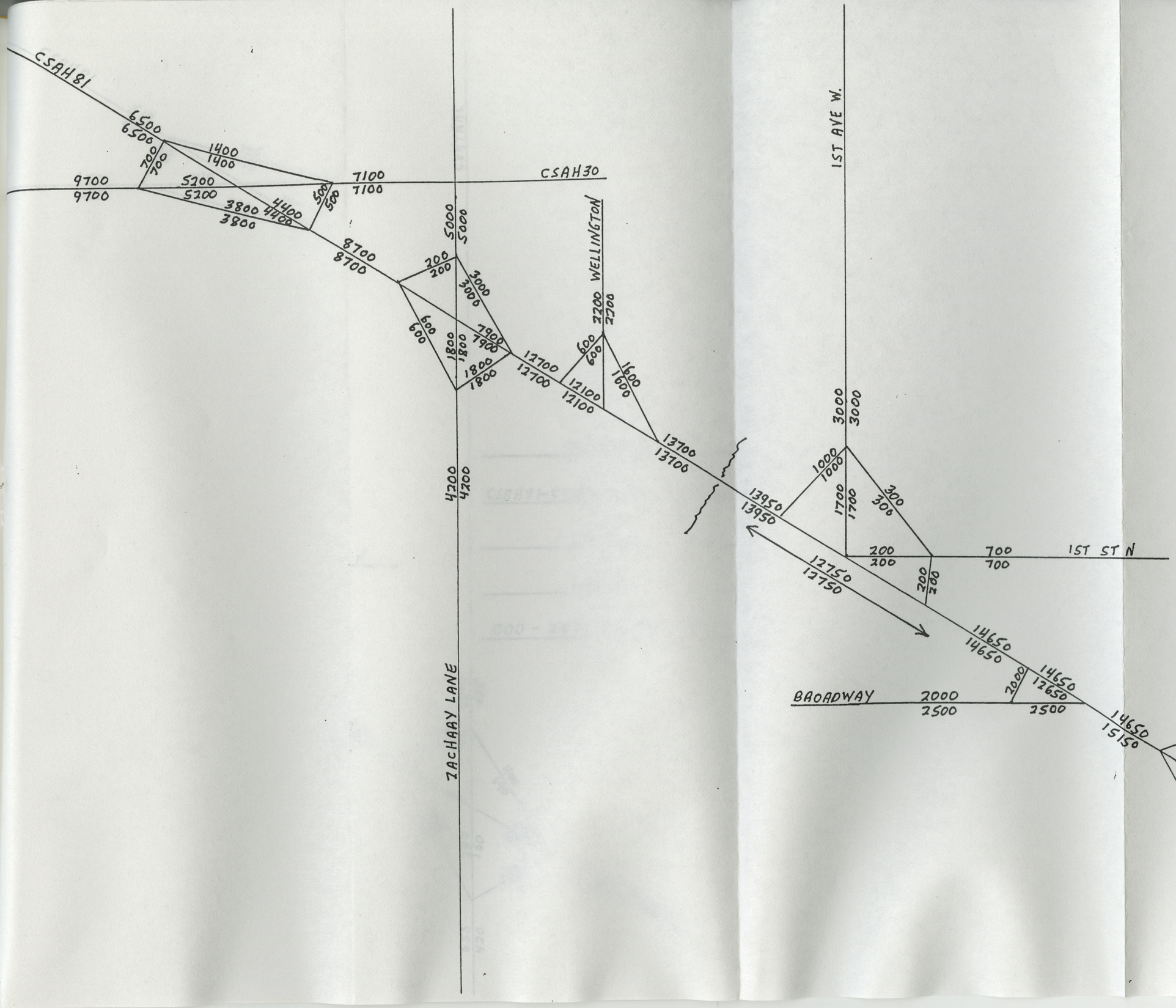
In addition, please note that the enclosed traffic projections shown on Figures 1, 2, 3 and 4 are based on the assumption that Proposed TH 610 will not be extended west of TH 169, i.e, from TH 169 to TH 94, by the year 2010.

If we may be of further assistance to you, please contact Jim Page at 296-1626.

Sincerely,

George M. Cepress
State Traffic Forecast Engineer
Traffic Forecast & Analysis Section





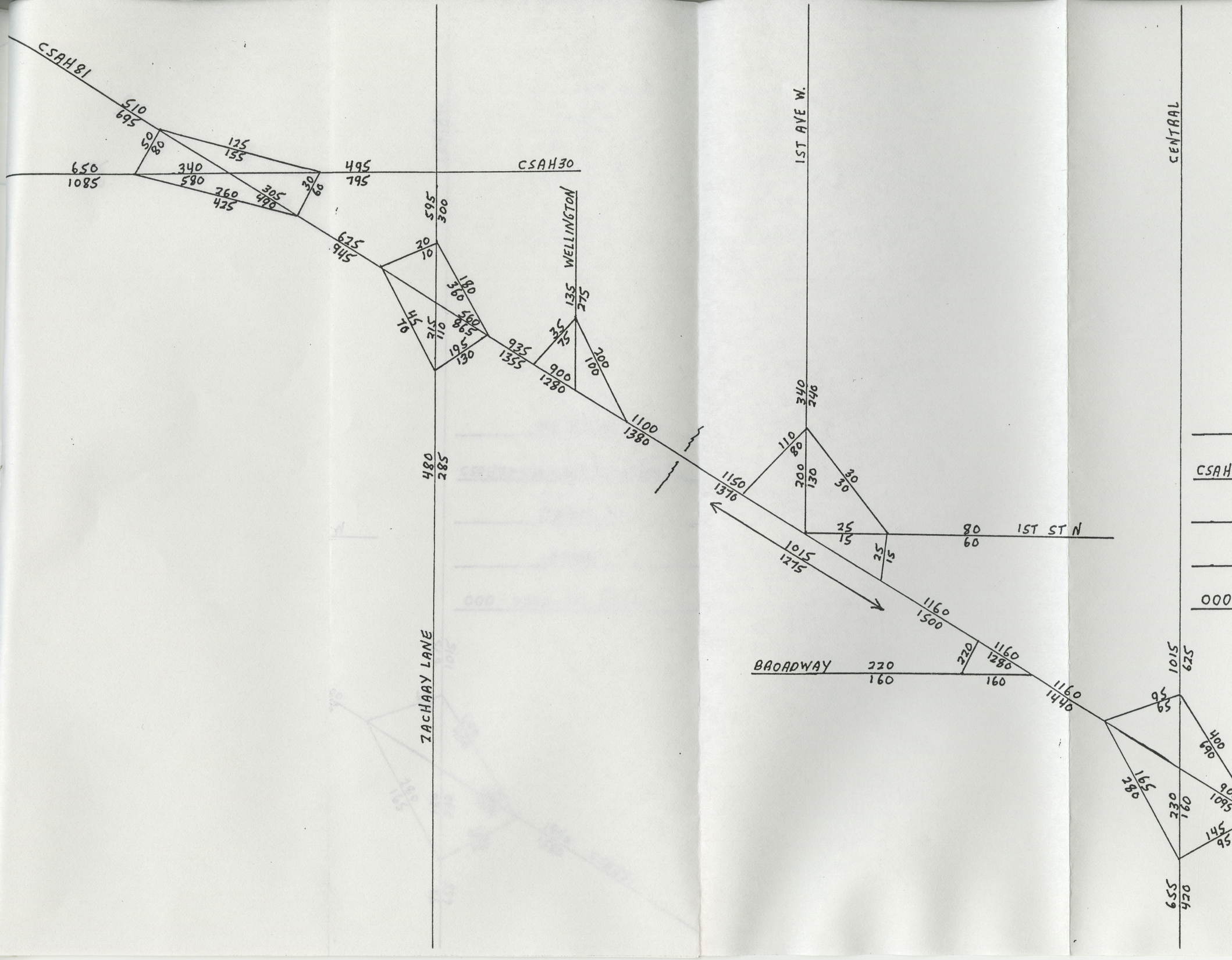
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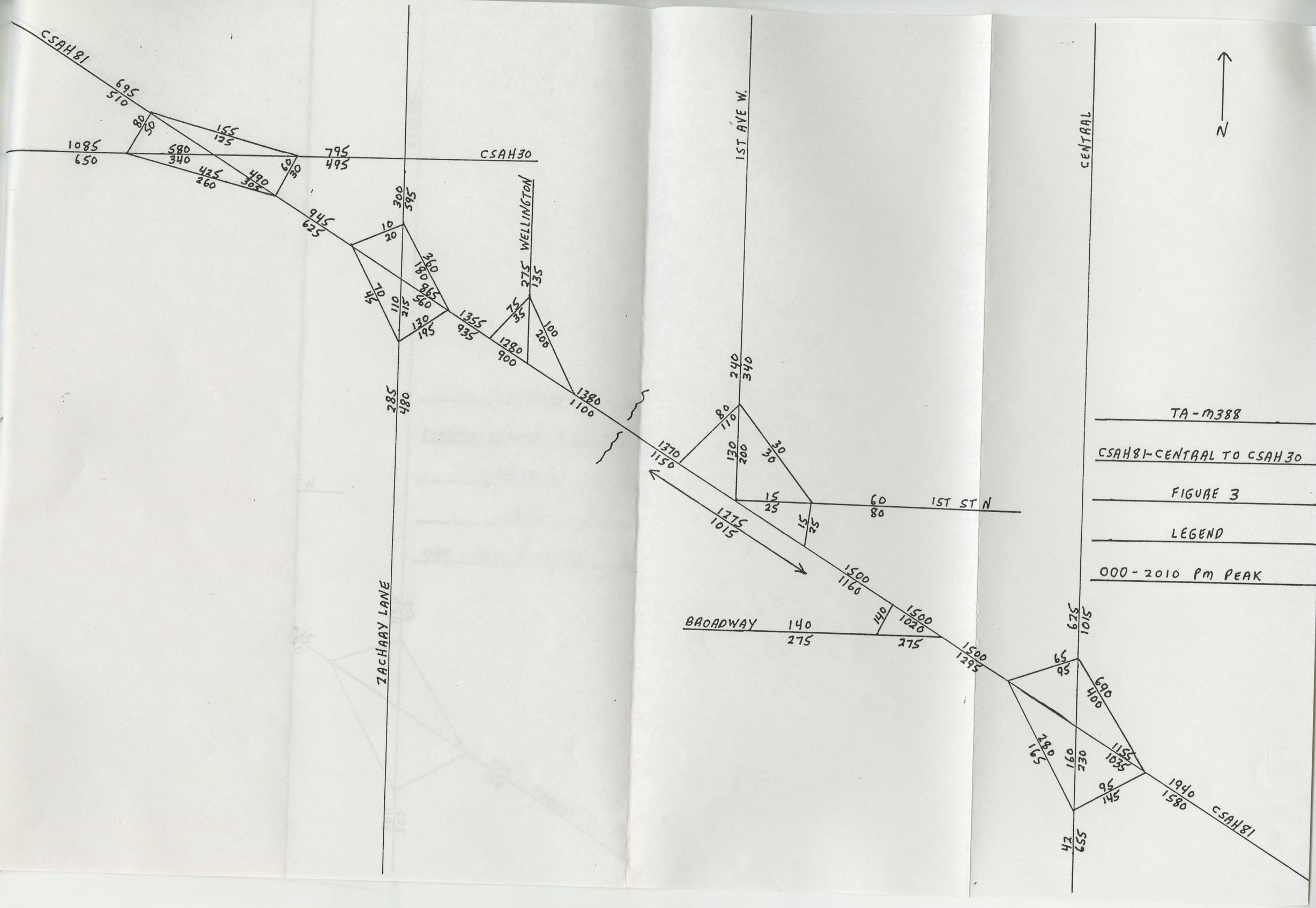
CSAH81-CENTRAAL TO CSAH30

FIGURE 1

LEGEND

000 - 2010 AWDT


CSAH81
510
695
50
80
125
155
650
1085
340
580
260
425
305
490
30
60
495
795
CSAH30
625
945
595
300
20
10
180
360
45
70
215
110
560
865
195
130
935
1355
WELLINGTON
135
275
35
75
200
100
900
1280
1100
1380
480
285
ZACHARY LANE
1150
1376
1015
1275
1160
1500
340
246
110
80
200
130
30
30
25
15
80
60
1ST ST N
25
15
BROADWAY
220
160
220
160
1160
1280
1160
1440
1015
625
95
65
400
690
165
280
230
160
900
1095
145
95
1445
1880
CSAH81
655
420
CENTRAL
1ST AVE W.
N
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CSAH81-CENTRAL TO CSAH30
FIGURE 2
LEGEND
000 - 2010 AM PEAK



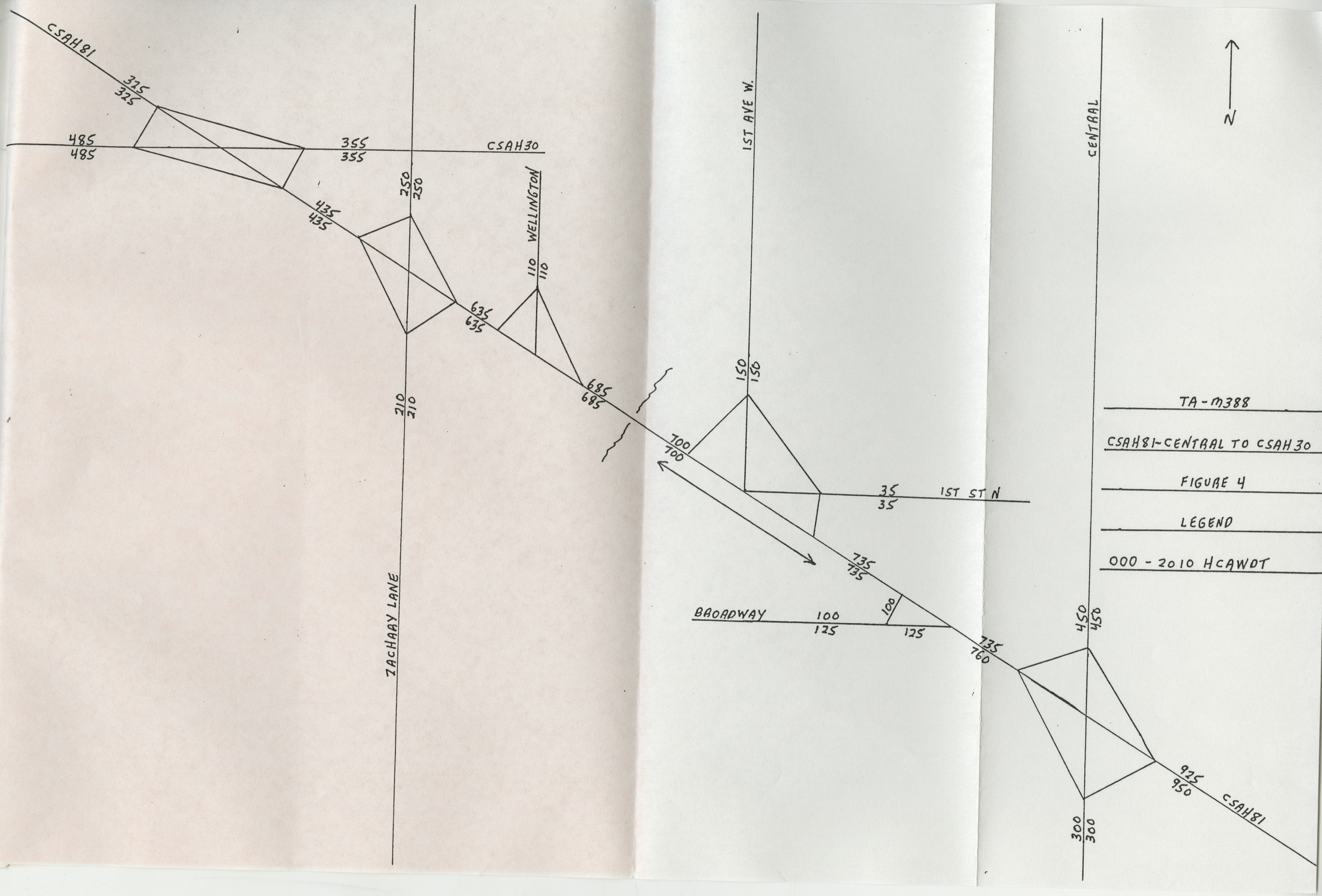
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CSAH81-CENTRAL TO CSAH30

FIGURE 3

LEGEND

000 - 2010 PM PEAK


CSAH 81
325
325
485
485
355
355
CSAH 30
250
250
435
435
110
110
WELLINGTON
635
635
685
685
210
210
ZACHARY LANE
150
150
1ST AVE W.
700
700
35
35
1ST ST N
735
735
BROADWAY
100
125
100
125
735
760
450
450
CENTRAL
925
950
CSAH 81
300
300
N
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CSAH 81 - CENTRAL TO CSAH 30
FIGURE 4
LEGEND
000 - 2010 HCAWDT